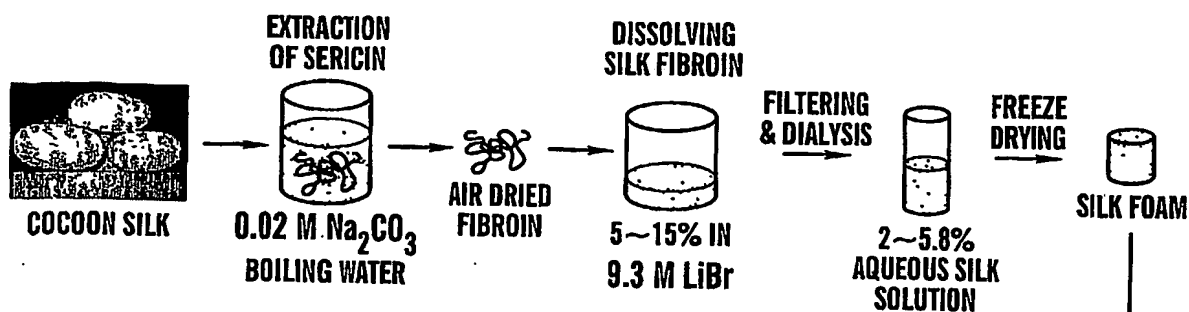
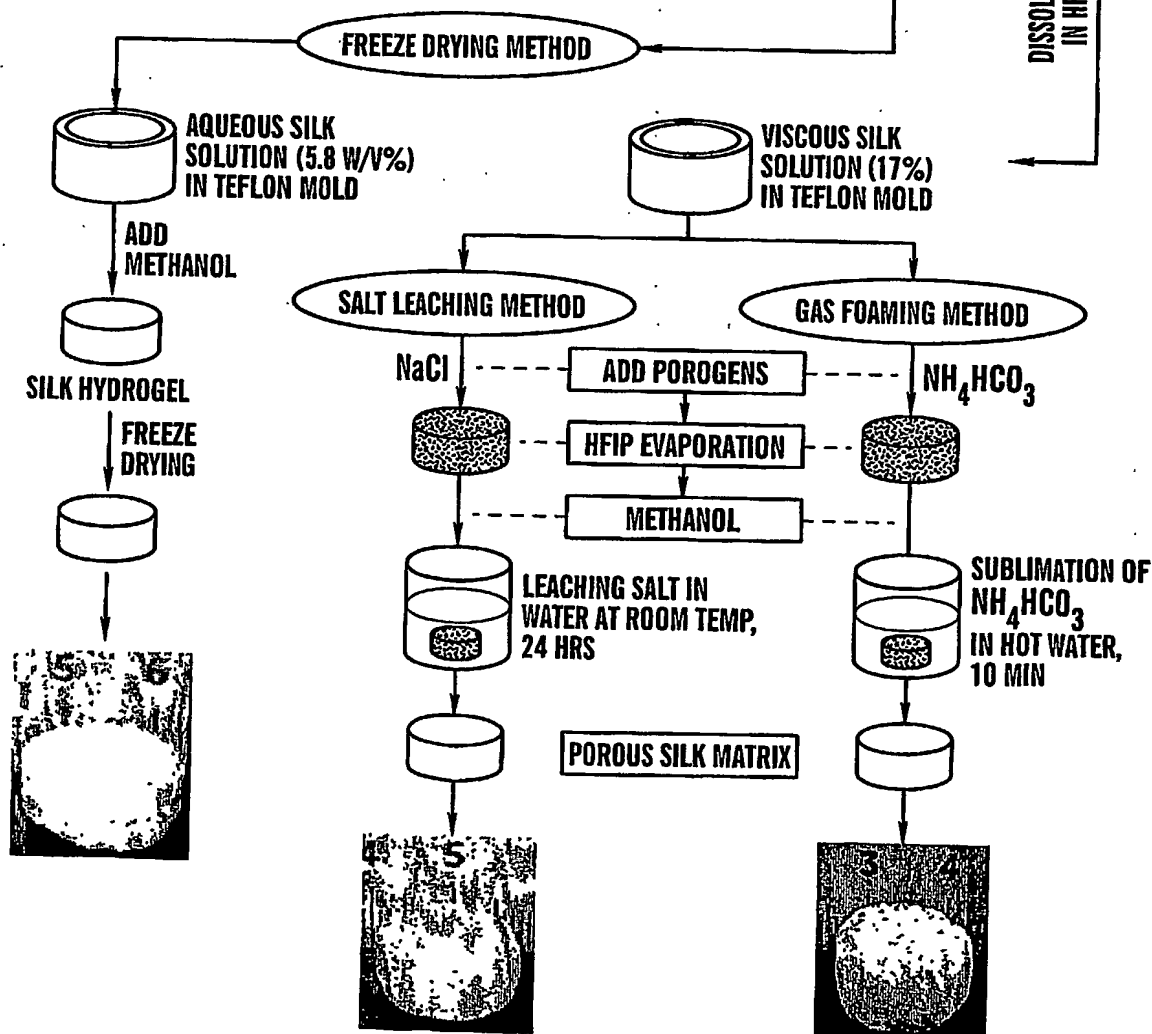


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A. SILK PROCESSING**B. SILK SCAFFOLD FABRICATION****FIG. 1**

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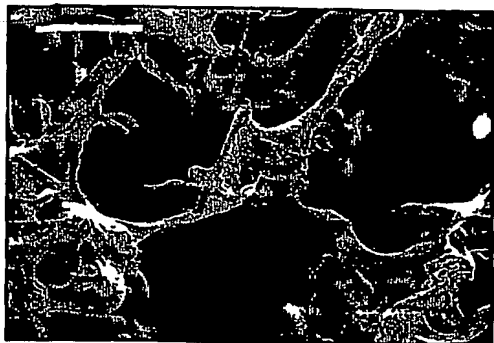


FIG. 2A



FIG. 2B

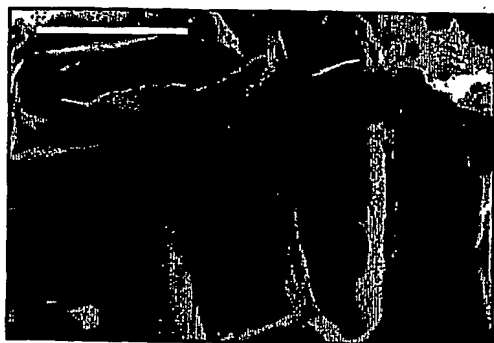


FIG. 2C



FIG. 2D



FIG. 2E

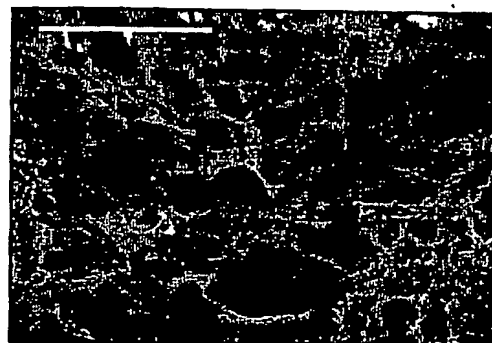


FIG. 2F

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FIG. 3A



FIG. 3B

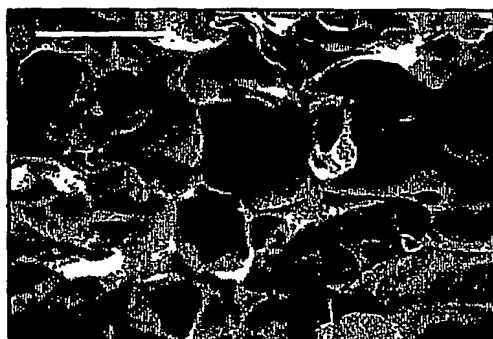


FIG. 3C

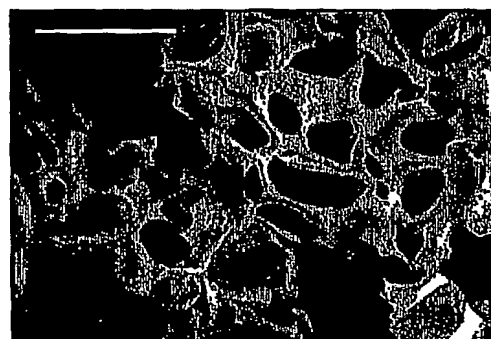


FIG. 3D

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FIG. 4A



FIG. 4B



FIG. 4C

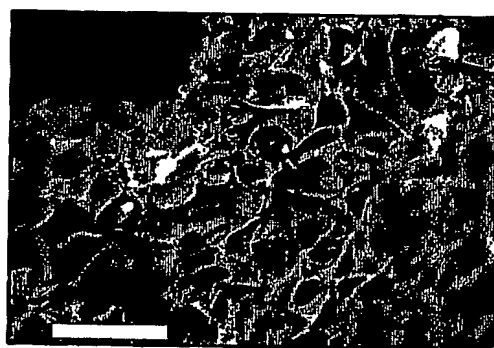
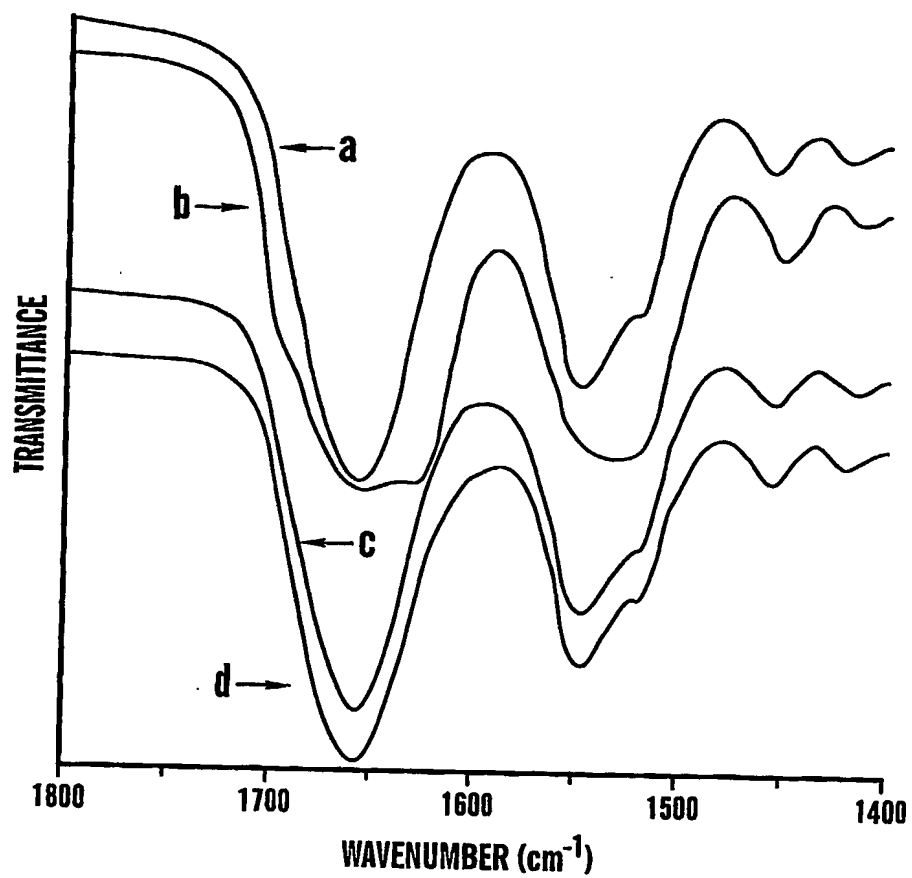


FIG. 4D



FIG. 4E

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**FIG. 5**

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FIG. 6B

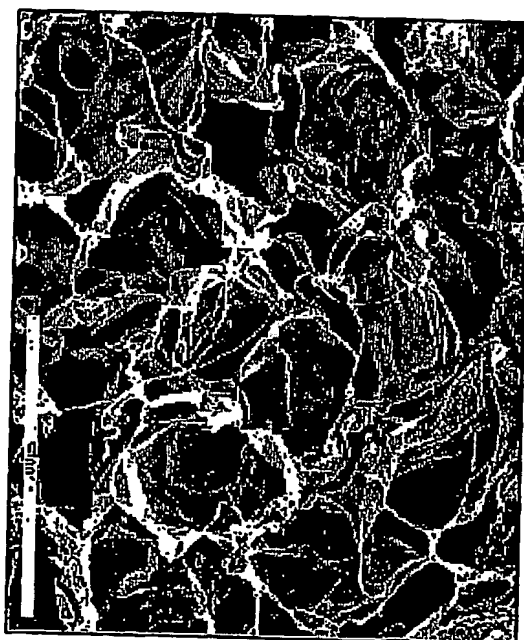
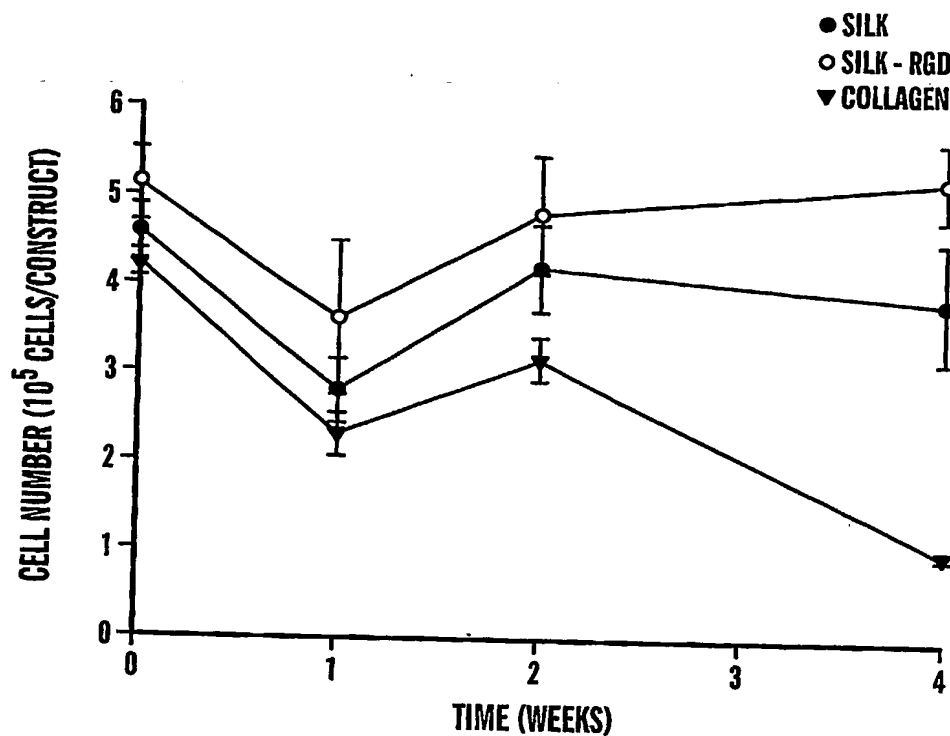
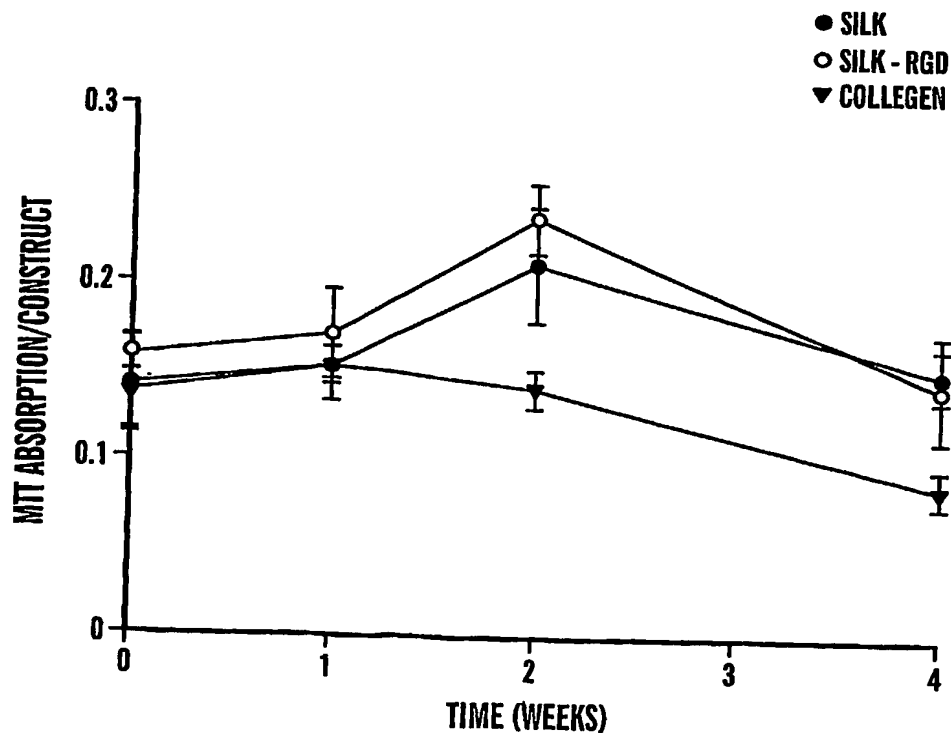


FIG. 6A

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**FIG. 7A****FIG. 7B**

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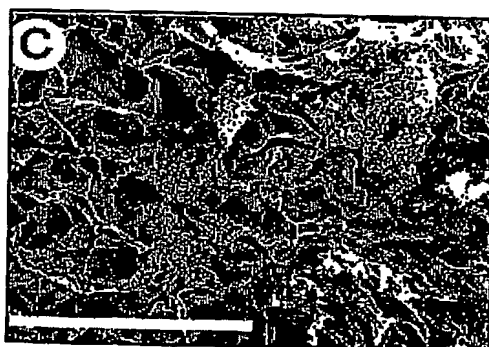
COLLAGEN

**FIG. 8A**

SILK

**FIG. 8B**

COLLAGEN

**FIG. 8C**

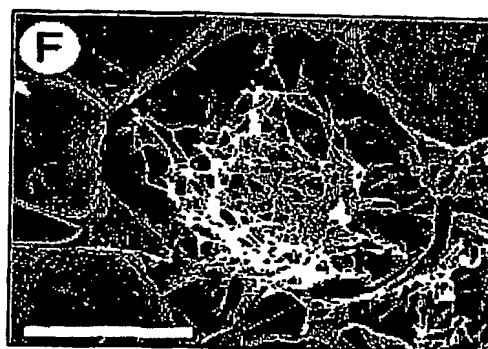
SILK

**FIG. 8D**

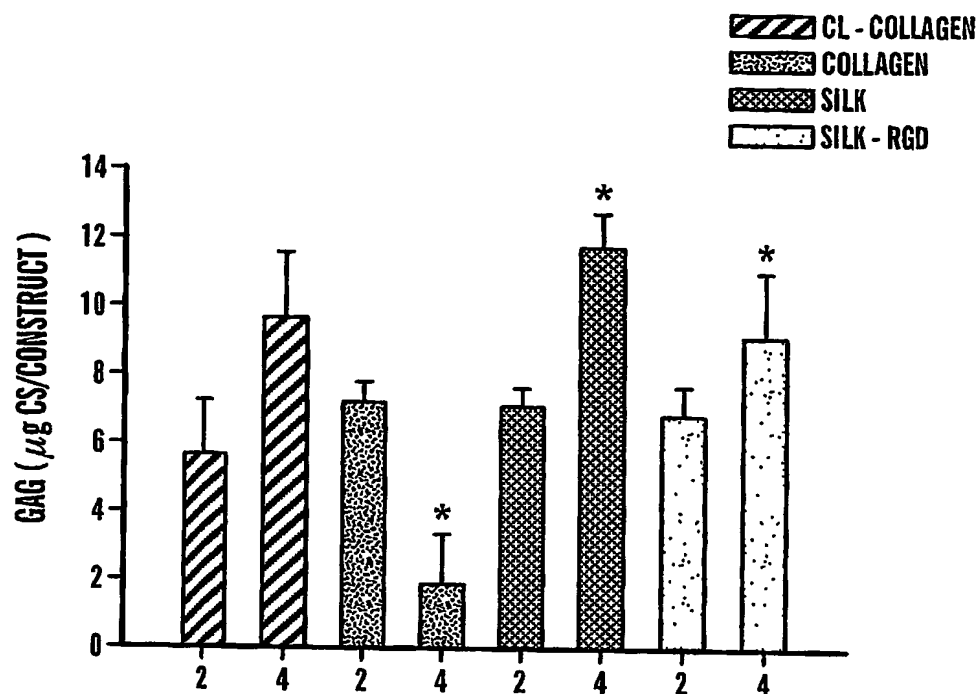
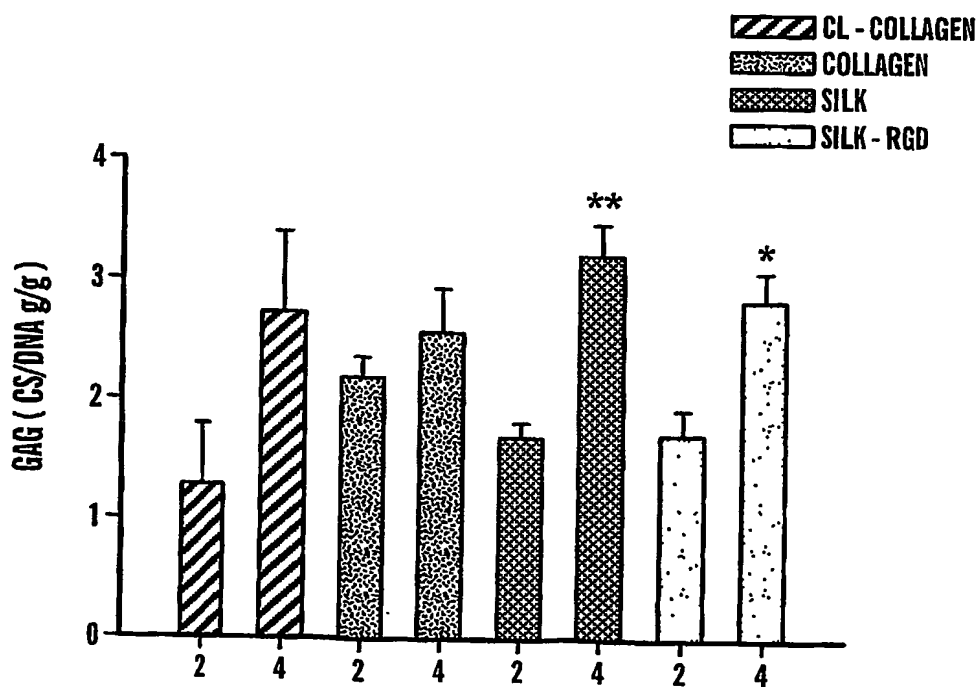
COLLAGEN

**FIG. 8E**

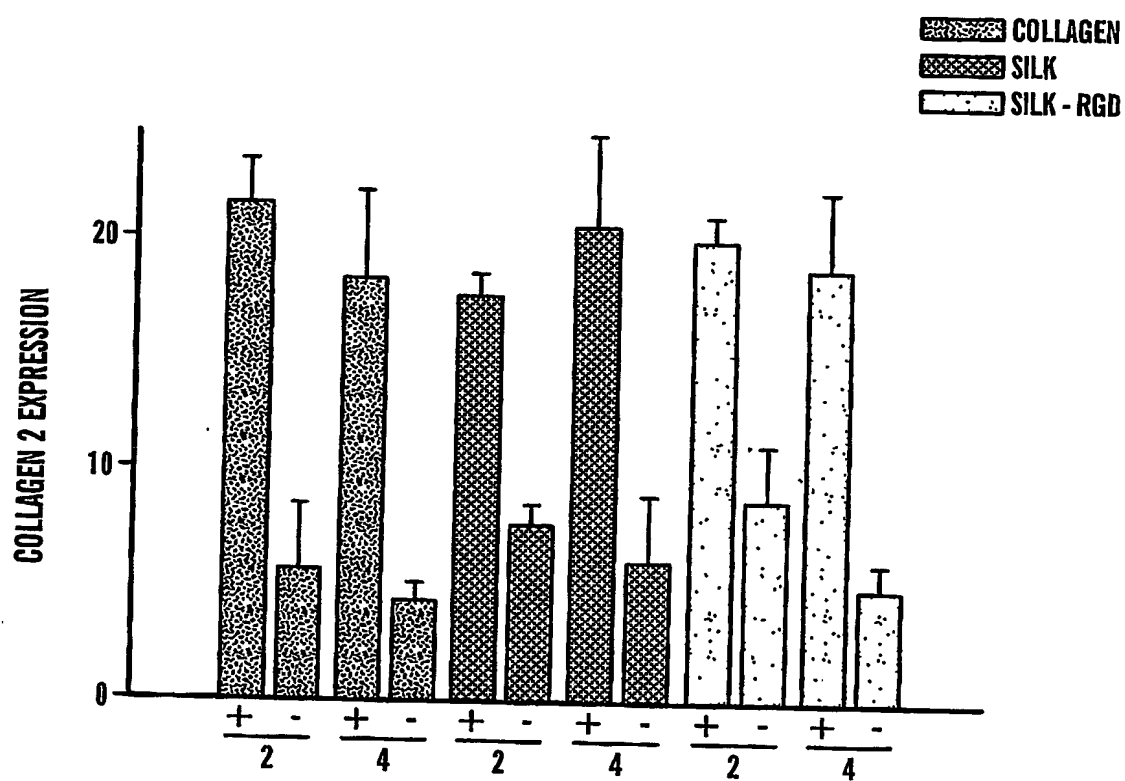
SILK

**FIG. 8F**

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**FIG. 9A****FIG. 9B**

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**FIG. 10**

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CONTROL



SILK

FIG. 11D



COLLAGEN

FIG. 11H

CHONDROGENIC MEDIUM



SILK

FIG. 11C



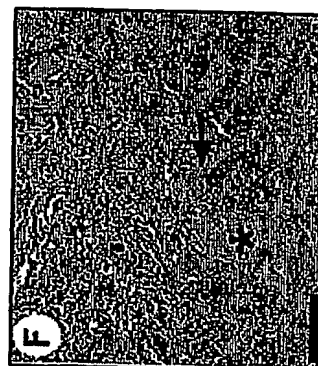
COLLAGEN

FIG. 11G



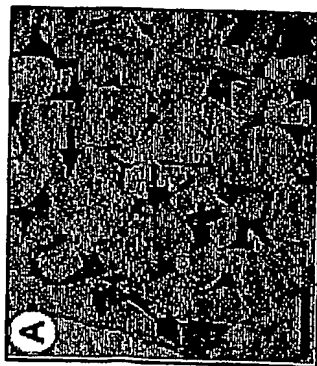
SILK

FIG. 11B



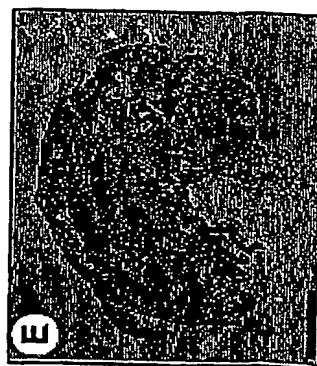
COLLAGEN

FIG. 11F



SILK

FIG. 11A



COLLAGEN

FIG. 11E

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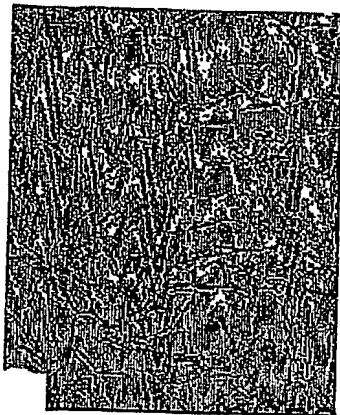


FIG. 12A

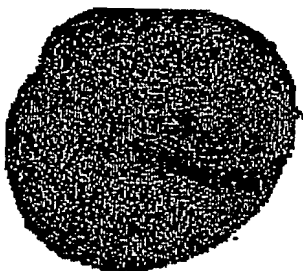


FIG. 12B

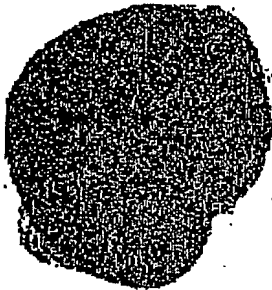


FIG. 12C

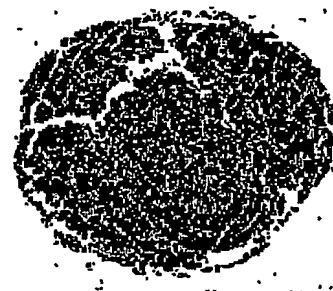
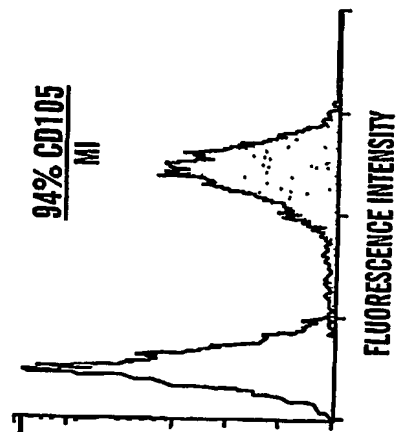
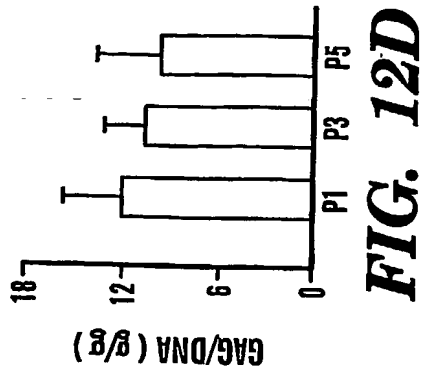


FIG. 12F

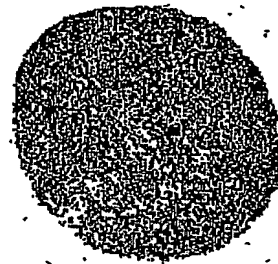
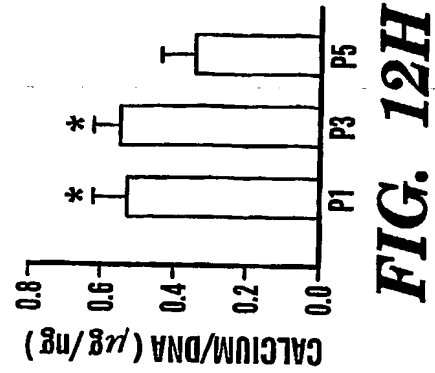
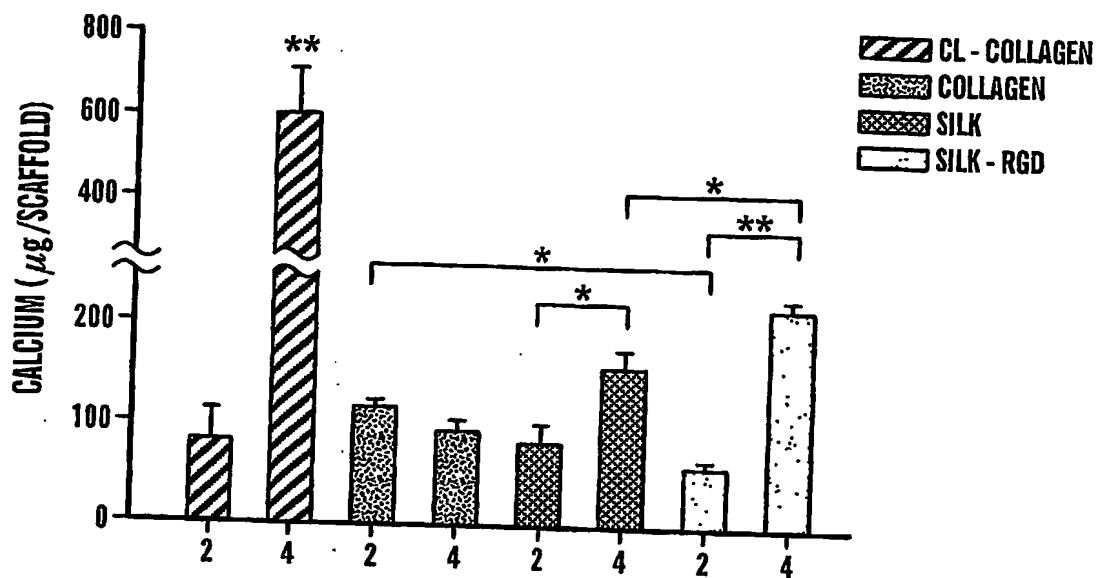
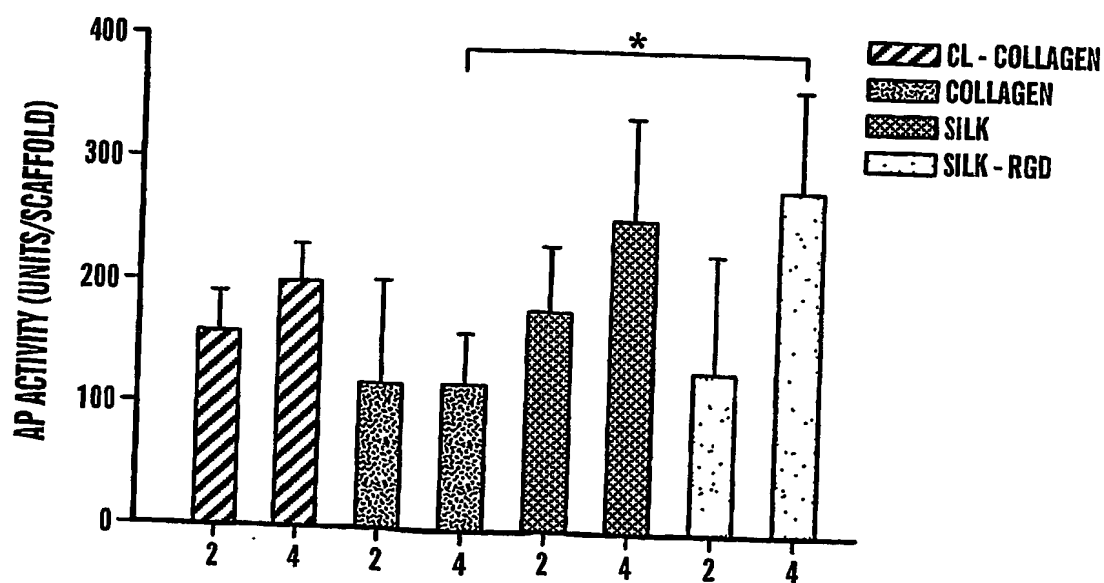


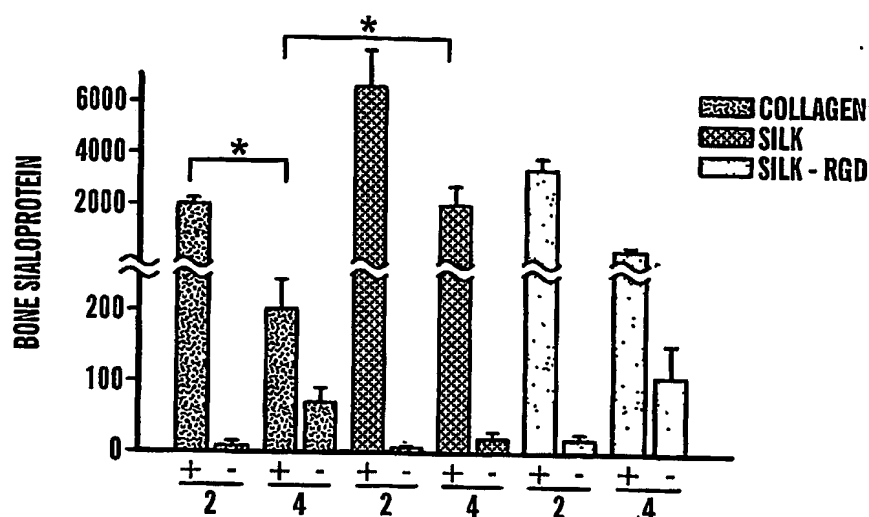
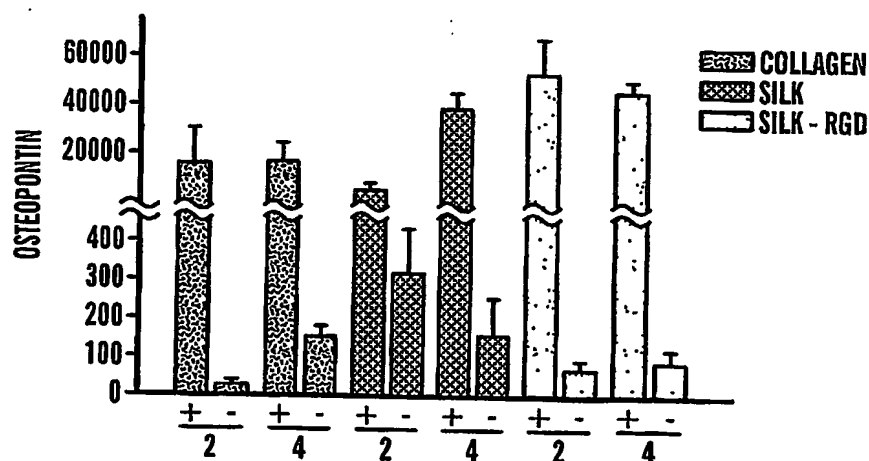
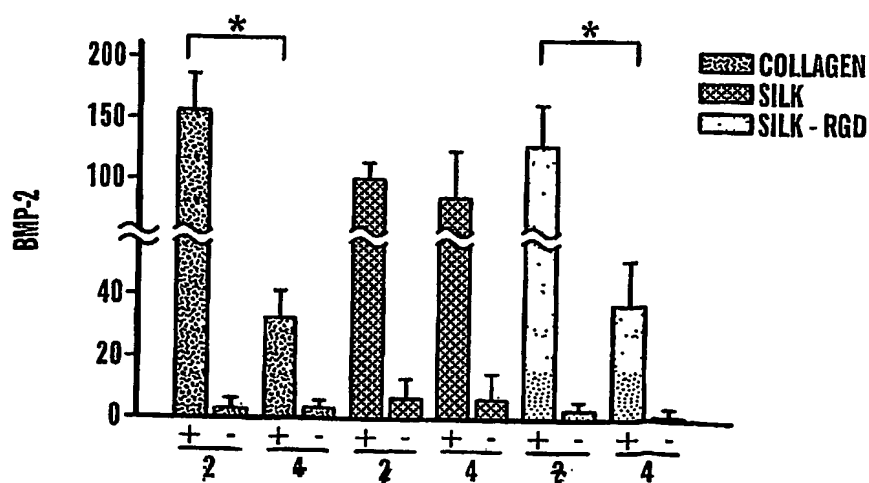
FIG. 12G



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**FIG. 13A****FIG. 13B**

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FIG. 14A**FIG. 14B****FIG. 14C**

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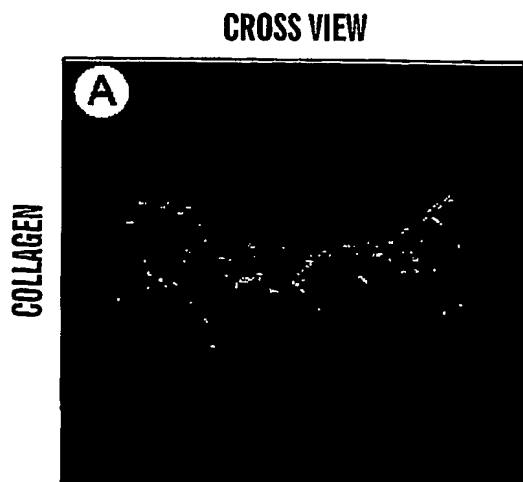


FIG. 15A

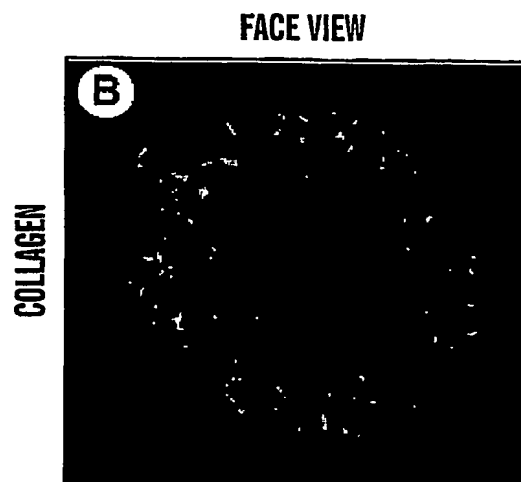


FIG. 15B

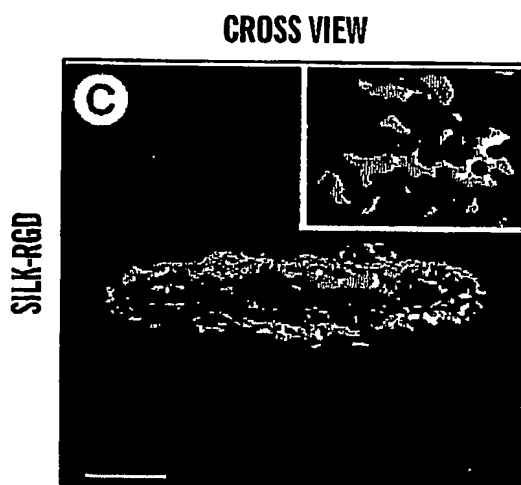


FIG. 15C

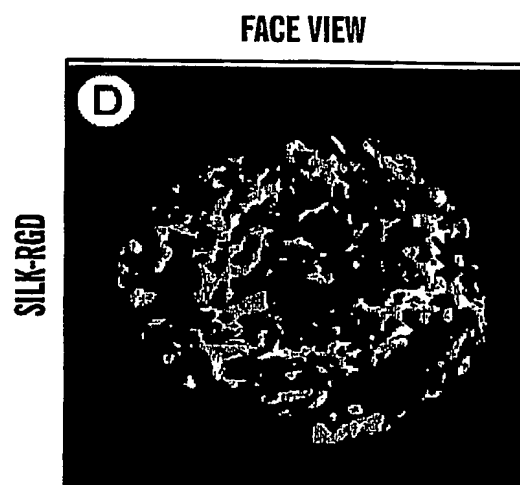


FIG. 15D

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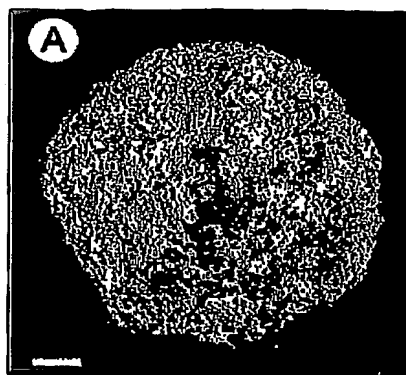


FIG. 16A

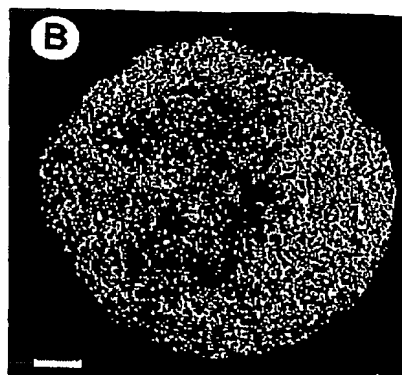


FIG. 16B

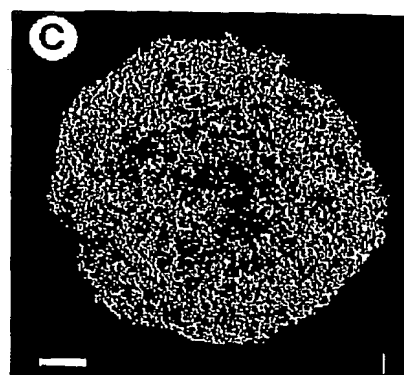


FIG. 16C

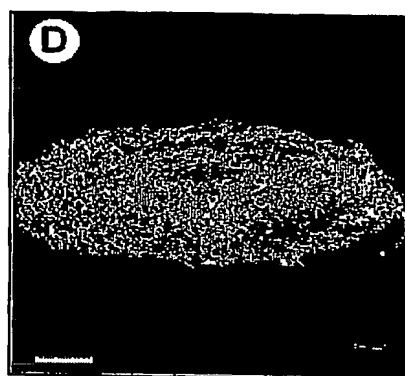


FIG. 16D

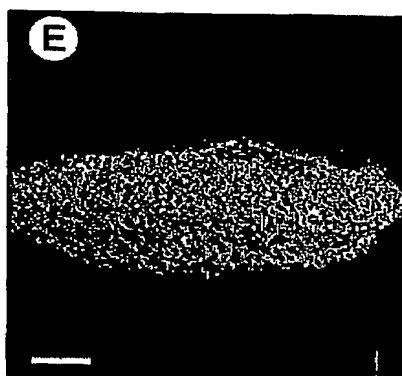


FIG. 16E

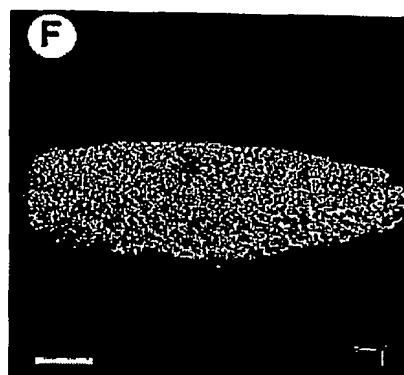


FIG. 16F

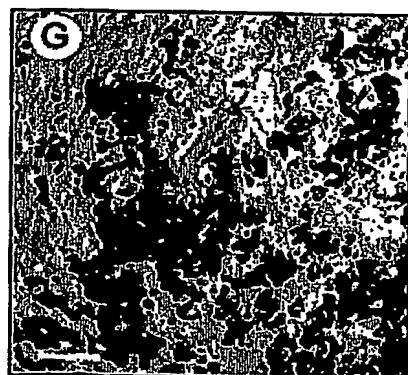


FIG. 16G

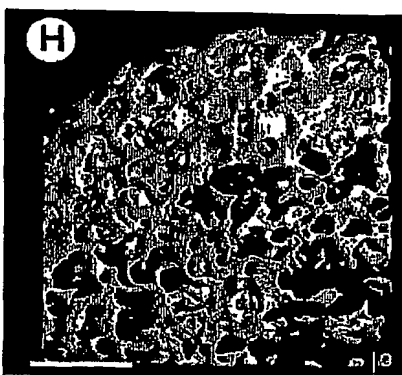


FIG. 16H

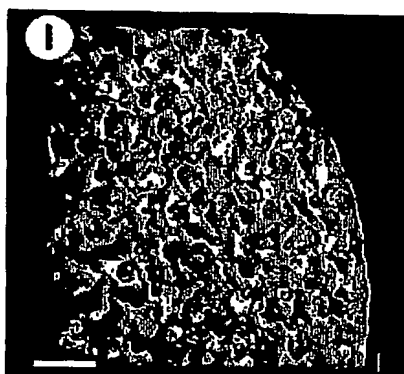


FIG. 16I

